



ISO9001:2015 certified



# Cover Crop Crimper



## Owner's Manual

*Our Tradition is Quality Driven and Field Proven*

Manual # - MAN-CR-R/F-002

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# Remlinger NINJA Crimper

Thank you for purchasing a **NINJA Cover Crop Crimper**! The NINJA was designed to terminate cover crops without tillage or the use of chemicals. The chevron blades roll smooth to crimp the cover crop at the stem which results in several benefits:

- Terminate cover crops** – The crimper will lay down the cover crop to form a matte. It will be crimped at the stem to stop flow of water and nutrients which will ultimately kill the crop.
- Suppress weeds** – The residue matte will block sunlight from weed seeds and compete with weeds for space and nutrients.
- Conserve soil moisture** – The residue matte will reduce evaporation and keep soil cooler.
- Increase organic matter** – The residue matte will decompose back into soil to improve soil structure and protect the soil from erosion.
- Decrease soil erosion** – The residue matte will reduce loss of topsoil.

It is recommended to crimp at the appropriate growth stage in order to achieve best results. If crimped too early, the stem may be strong enough to stand back up and compete with the cash crop. If crimped too late, the cover crop may produce viable seeds which could sprout.

Read and study the operator's manual carefully to learn how to safely service and operate your machine. Failure to do so could cause personal injury or equipment damage.

**Right-Hand and Left-Hand sides are determined by facing in the direction the crimper will travel when in use.**

For your convenience write model and serial number in area provided below. Serial number is located near the 3 point hookup.

**Model Number:** \_\_\_\_\_

**Serial Number:** \_\_\_\_\_

**Date of Purchase:** \_\_\_\_\_



## Warning



Before using this attachment, make certain that every operator:

- Is instructed in safe and proper use of this attachment.
- Reads and understands the manual pertaining to the attachment.
- Reads and understands ALL (if applicable) Safety Decals on the attachment.
- Clears the area of all other people before operating the implement and attachment.
- Learns and practices safe use of the attachment in a safe clear open area before operating the implement and attachment in the field.



This symbol indicates an important Safety Alert Message in this Manual. Carefully read and understand the message that follows. The potential for series injury or death is possible.



## Safety Rules



- Never attempt to operate or adjust the crimper without reading this manual.
- Do not attempt to adjust the crimper while it is in motion.
- The addition of this crimper will make the implement rear-end heavy.
- Caution is required when hooking up or un-hooking the crimper. A rear jack stand is recommended.
- Always use any transport locks that are provided on the attachment or implement.
- Always place all safety decals and reflectors in their proper locations. Clean and replace as necessary.
- Never allow anyone to ride on the crimper or attachment.
- Always slow down when turning and traveling over rough terrain.
- Always support the crimper when mounting or working on the attachment.
- Be careful around teeth, tines, sweeps, and blades: they get sharper with wear.



## Warning - Transport Safety



Before transporting or traveling on public roads with this crimper, make certain that every operator:

- Reads and understands the manual pertaining to the crimper.
- Checks and complies with state and local regulations.
- Makes sure SMV, reflectors and warning lights are in working order.
- Uses tractor warning lights during transporting.
- Uses required warning flags, emblems and lights.
- Checks that **red** reflectors are on the back-outer edges of the crimper and are clearly visible.
- Checks that **amber** reflectors are on the side and front outer edges of the crimper and are clearly visible.
- Travel at a reasonable and safe speed. **"Never exceed maximum speed of 25 mph"**. Reduce speed and/or use lower gear on rough ground or slopes.
- Transport crimper in its narrowest configuration. All attachments folded.
- No sudden stops, stop slowly.
- Properly adjust and use mirrors on transport vehicles as required.
- Use signals and check behind when turning.
- Be sure to have clear visibility while turning.
- Be extremely cautious in poor visibility situations such as; hills, poor weather conditions and at night.



**2/3 of roadway farm accidents occur while turning**



Failure to follow any of these safety warnings could cause serious injury or death. Use good judgement when transporting and maintain control at all times. Comply with state and local laws and regulations. Always strive to prevent accidents and watch out for other vehicles.

# To the Owner

Your new Crimper attachment was carefully designed to give years of dependable service. This manual contains important information about the safe assembly, adjustment, operation, and maintenance of your attachment. To keep it operating efficiently, read the instructions in this manual. Parts of the attachment have been partially assembled at the factory. The use of this manual describes how to complete the remaining assembly. This manual should be considered a permanent part of your implement and should remain with the implement when it is sold. Additional diagrams may also be included for specific applications. Please contact the dealer or Remlinger Manufacturing for any questions at **1-800-537-7370**.

Any unauthorized modification to any part of the attachment could cause serious injury and void any warranty consideration. Please refer to the Warranty Policy referenced below. For additional manuals or to replace a lost or damaged manual, please contact your dealer. The manual number is referenced on the lower right-hand corner of each page.

## Warranty Policy

Remlinger Mfg. will warrant all products against defects in material and workmanship manufactured and sold by it. Warranty will only be granted after examination by appropriate personnel. This warranty is expressly limited to the replacement of defective products. This warranty does not obligate Remlinger Manufacturing to cover cost of labor to replace these parts.

Remlinger Mfg. reserves the right to change specifications, add improvements or discontinue manufacture of any of its equipment without notice or obligation to purchasers of its equipment. This warranty gives you specific legal rights. You may also have other rights which vary according to state or province.

**WARRANTY EXCLUSIONS:** Labor, transportation, or any cost related to a service call is not provided by Remlinger Mfg. This Limited Warranty does not apply to damage resulting from misuse, neglect, normal wear, accident or improper installation or maintenance.

**BASIC WARRANTY:** All Remlinger manufactured products are warranted for one year from date of purchase.

**WARRANTY CERTIFICATION:** Warranty registration should be mailed, emailed or faxed within 30 days of purchase. Please see Registration Form on Page 13.

**UNAPPROVED PARTS OR MODIFICATION:** All obligations of Remlinger Mfg. under this Warranty are terminated if unapproved parts are used or if equipment is modified or altered in any way not approved by Remlinger Mfg.



# Setup

- Before operating the crimper, be sure it is properly attached to the tractor and perform any necessary height adjustments.
- Before operating the crimper, grease all bearings.
- Be sure the roller is the appropriate weight to achieve successful crimping. See crimper weight chart on page 9 for weight totals.

## ADDING WEIGHT:

1. There is one plug on each side of the drum. One plug will be on the top and the plug on the opposite side will be on the bottom of the drum.
2. Use the provided 3/8" hex wrench to remove both plugs. (If you have a folding model, this will need to be completed on each drum)
3. Screw in provided adaptor to the bottom plug and use a garden hose to fill the drum with water. (The second plug is needed to be open for air venting purposes.)



Side A



Side B



Side B

4. When desired weight is reached, use the hex wrench to replace the top plug. The hose should still be attached to the bottom hole.



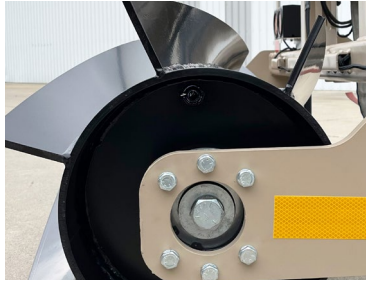
Side A

5. Rotate the drum 180 degrees so the hole with the hose is now on top.



Side B

6. Remove the hose and hose adaptor.
7. Use the hex wrench to place the plug back in the drum.



Side B

## Operation

- It is recommended to operate around 6 mph. You may be able to speed up or slow down depending on field conditions and crimper performance.
- The chevron blades are designed to ensure smooth rolling on the ground in a forward motion.
- After you begin crimping, inspect the crimped stems to determine if more adjustments need to be made. See Troubleshooting chart on page 12 for recommendations.



# Crimper Weights

Model Number	Total Weight (less water)	Drum Weight (less water)	Frame Weight (less water)	Added Water Weight
CR-105M	810 lbs.	600 lbs.	210 lbs.	190 lbs.
CR-108M	1290 lbs.	930 lbs.	360 lbs.	300 lbs.
CR-110M	1620 lbs.	1220 lbs.	400 lbs.	375 lbs.
CR-112M	1885 lbs.	1460 lbs.	425 lbs.	450 lbs.
CR-115M	2280 lbs.	1830 lbs.	450 lbs.	560 lbs.
CR-120M	2940 lbs.	2440 lbs.	500 lbs.	750 lbs.
CR-320F	4520 lbs.	2520 lbs.	2000 lbs.	775 lbs

# Crimper Measurements

Model Number	Working Width	Transport Width
CR-105M	5'6"	6'
CR-108M	8'6"	9'
CR-110M	10'6"	11'
CR-112M	12'6"	13'
CR-115M	15'6"	16'
CR-120M	20'6"	21'
CR-320F	* 20'6" Folding	14'

\* 20'6" Folding Crimper is Available in Rear Mount Only

# Storage

- At the end of the working season or when your crimper will not be used for a long period, it is good practice to clean off any dirt or grease that may have accumulated on the crimper and any of the moving parts.

**\*Drain any water that was added to the roller to prevent from freezing.**

## DRAINING WATER:

1. There is one plug on each side of the drum. One plug will be on the top and the plug on the opposite side will be on the bottom of the drum.
2. Use the provided 3/8" hex wrench to remove the top plug. (If you have a folding model, this will need to be completed on each drum.)
3. Rotate the drum 180 degrees and remove the second plug on the opposite side. (The second plug is needed to be open for air venting purposes.)



Side A



Side B

4. Allow all water to drain and place both plugs back in each hole.



Side A





Side B

# Maintenance

Proper servicing and adjustment is the key to the long life of any farm implement. With careful and systematic inspection, you can avoid costly maintenance, time and repair.

- After using your crimper for several hours, check all bolts to be sure they are tight and grease bearings.
- After transporting your crimper for several hours, check all bolts to be sure they are tight.

## Recommended Torque Specifications

SAE Grade No.	5		8	
Bolt Head Identification				
Bolt Size	Lb - Ft	N - m	Lb - Ft	N - m
1/4"	9 - 11	12 - 15	12 - 15	16 - 20
5/16"	17 - 20.5	23 - 28	24 - 29	33 - 39
3/8"	35 - 42	48 - 57	45 - 54	61 - 73
7/16"	54 - 64	73 - 87	70 - 84	95 - 114
1/2"	80 - 96	109 - 130	110 - 132	149 - 179
5/8"	150 - 180	203 - 244	220 - 264	298 - 358
3/4"	270 - 324	366 - 439	380 - 456	515 - 618
7/8"	400 - 480	542 - 651	600 - 720	814 - 976
1"	580 - 696	787 - 944	900 - 1080	1220 - 1464
1-1/8"	800 - 880	1085 - 1193	1280 - 1440	1736 - 1953
1-1/4"	1120 - 1240	1519 - 1681	1820 - 2000	2468 - 2712
1-3/8"	1460 - 1680	1980 - 2278	2380 - 2720	3227 - 3688
1-1/2"	1940 - 2200	2631 - 2983	3160 - 3560	4285 - 4827

# Troubleshooting

Problem	Possible Cause	Correction
Crimping too aggressive	Weight too heavy	Remove weight from crimper
	Hitch too low	Raise hitch of crimper
	Driving too slow	Increase speed of tractor
Not crimping enough	Weight too light	Add weight to crimper
	Hitch too high	Lower hitch of crimper
	Driving too fast	Decrease speed of tractor
Crimper is riding rough	Chevron pattern on the crimper is not in the correct direction	Place chevron pattern pointing in direction of travel

# Registration Form

## Ninja Crimper

Please Return With-in 30 Days of Purchase

Name: \_\_\_\_\_

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Email: \_\_\_\_\_

### How did you hear about us:

☐ Social Media    ☐ Google    ☐ Farm Show    ☐ Friend    ☐ Ad    ☐ Dealer

Other: \_\_\_\_\_

Serial Number: \_\_\_\_\_ (located near 3 pt hookup)

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### Dealer Purchased From

Name: \_\_\_\_\_

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

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**Mail to:** Remlinger Manufacturing Company, Inc.  
16394 US 224  
Kalida, OH 45853

**Fax to:** 1-419-532-2244

**Email to:** agsales@remlingermfg.com

**Thank you for purchasing Remlinger Equipment!**









ISO9001:2015 certified

**Remlinger Manufacturing**

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Kalida, OH 45853

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[technicalsupport@remlingermfg.com](mailto:technicalsupport@remlingermfg.com)

[www.remlingermfg.com](http://www.remlingermfg.com)



Parts Book & Manuals



Email Tech Support